Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/24/2022 09:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123928	-1	1.24	123877	1.22
Blue	F	SSC	125000	124324	-1	2.28	124829	2.13
Blue	E	FITC	13602	13240	-3	2.21	370	13.17
Blue	D	PE	24891	24599	-2	1.60	583	10.54
Blue	B	PerCP-Cy5-5	33972	33220	-3	2.84	947	14.78
Blue	A	PE-Cy7	22865	22705	-1	4.96	474	30.37
Red	C	APC	47198	46812	-1	2.59	1616	11.23
Red	A	APC-Cy7	26454	25661	-3	3.07	726	11.88
Violet	B	V450	6737	6504	-4	3.31	454	10.69
Violet	A	V500	29317	28249	-4	2.91	963	7.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23999	2.20	537	2	N/A	N/A	Pass
Blue	F	SSC	55904	1.96	519	-2	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0458	95	Pass
Blue	D	PE	114	38.92	490	4	0.3981	309	Pass
Blue	B	PerCP-Cy5-5	150	40.95	583	4	0.0201	70	Pass
Blue	A	PE-Cy7	78	80.87	626	5	0.0226	6	Pass
Red	C	APC	339	25.42	571	-1	0.0297	204	Pass
Red	A	APC-Cy7	135	34.42	548	-3	0.0071	1650	Pass
Violet	B	V450	77	42.92	448	-2	0.0626	1980	Pass
Violet	A	V500	114	27.80	467	-2	0.0281	520	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.67	-31.52	1.02
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.82	13.90 - 20.86	N/A	N/A	29.84	30.15	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 12747

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments